Vienna Instruments
Overdrive

Contents

Introduction

Welcome, and thank you for purchasing the Vienna Symphonic Library's Overdrive Guitar. The document on hand contains the mapping information for this Vienna Instruments Collection. You will find in it a comprehensive survey of the articulations/Patches for the Collection's Standard and Extended contents, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset.

We put a lot of effort into recording these concert guitar samples and processing them for you to get a natural sounding virtual instrument. Apart from single notes in various articulations, hammer-ons, and bends, the Collection also contains our famous Interval and Repetition Performances for reproducing authentic legatos and tone repetitions, as well as powerchords and several other techniques.

We wish you lots of fun and good success with your Overdrive Guitar!

The Vienna Symphonic Library Team

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

The velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to the instrument's requirements. The Patch information also lists the velocity layers in detail.

A/B switching normally is set to A0 for upward/crescendo, and B0 for downward/diminuendo.

Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments Collections. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is also used for other articulations like the strings' portamento (which are also included in the Special Edition), marcato, or détaché and spiccato.

The interval performances also contain two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But naturally, it's mixing legato and repetitions with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note. To circumvent this, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

Repetition performances

Unlike our fast repetitions, which only can be played at the speed they were recorded at and have a fixed number of 9 repeated notes, repetition performances allow you to cover a wide area of speeds from slow legato to very fast staccato. Like the legatos, the repetitions were recorded in one go and then cut up into discreet samples. The Vienna Instrument joins them again when you play, so that you have an unlimited supply of repetitions. Dynamics repetitions, however, are still limited in number (legatos and some portatos 5, other portatos and staccatos 9) since you cannot get louder or softer endlessly …

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

Keyswitches reserve special keys on the keyboard for switching between different articulations, and are normally used for horizontal Matrix switching. If you want to create matrices of your own, please remember that the keyswitching area should not overlap with the articulations' play range; if it does, you won't be able to play those notes. Also, we recommend using a dedicated keyswitch range for all your Matrices.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Speed controller switches naturally are adjusted to the Patches involved, and have been tested carefully as to their playability. However, if you find that they do not fit your playing, or want to try out other settings, you can change this as well as any other controller's settings at the **Control edit** page, and save the result in your Custom Matrix folder.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes 101–112 instead of keyboard notes.

Articulations

	Level 1 (Standard) content	Level 2 (Extended) content
152 Overdrive		
01 SHORT + LONG NOTES	Staccato short soft, medium, hard Sustained with and without vibrato Sub-bass sustained	Staccato normal soft, medium, hard Portato short Portato long with and without vibrato Sustained with whammy bar (2 variations)
02 HARMONICS		Artificial harmonics, 5th and octave Natural harmonics
03 TRILLS + PHRASES		Tremolo Trills, minor 2nd to major 3rd Grace noise, normal and with whammy bar, base note and octave
04 POWER CHORDS	Power chords, 4th and 5th Power chords, major and minor	
05 FX	Scratches on E and B string	Feedback effects, soft and hard Bowed Scratches with whammy bar Scratch effects
10 PERF INTERVAL	Legato normal and with vibrato Hammer-ons and pull-offs	Legato with whammy bar (2 variations) Marcato, normal and with vibrato Bends
11 PERF REPETITION	Staccato, normal and muted (2 variations each) Power chords, 4th and 5th	Staccato dynamics, normal (2 variations) Power chords dynamics, 4th and 5th Sub-bass repetitions
12 FAST REPETITION		Staccato, 140 to 160, 180, 200, and 220 BPM, normal and dynamics Effects, 140 to 160, 180, and 200 BPM
13 SCALE RUNS		Octave runs, legato, major and minor harmonic, C to B scale

Abbreviations

Abbreviation	Meaning	Abbreviation	Meaning
150, 160, …	150, 160, … BPM (beats per minute)	mi	minor
all	combination of all Patches of a kind	nat	natural (harmonics)
art	artificial (harmonics)	noVib	without vibrato
dyn	dynamics (crescendo and diminuendo)	perf-rep	repetition performance
		pw-ch	powerchord
fa	fast	quart	4th
fast-rep	fast repetitions	quint	5th
fx	effect	RS	release sample
feed-fx	feedback effect	run	octave run
leg	legato	sus	sustained
ma	major	Vib	with (normal) vibrato
med	medium	wb	whammy bar

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

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Patches

01 SHORT + LONG NOTES	Range: B1–D6

Level 1: Staccato short soft, medium, hard
Sustained with and without vibrato
Sub-bass sustained

Level 2: Staccato normal soft, medium, hard
Portato short
Portato long with and without vibrato
Sustained with whammy bar (2 variations)

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01 OV_staccato-short_soft **Samples: 104** **RAM: 6 MB** **Level 1**

Short staccato, soft
1 velocity layer
2 Alternations

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02 OV_staccato-short_medium **Samples: 104** **RAM: 6 MB** **Level 1**

Short staccato, medium
1 velocity layer
2 Alternations

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03 OV_staccato-short_hard **Samples: 104** **RAM: 6 MB** **Level 1**

Short staccato, hard
1 velocity layer
2 Alternations

---

04 OV_staccato_soft **Samples: 104** **RAM: 6 MB** **Level 2**

Staccato, soft
1 velocity layer
2 Alternations

---

05 OV_staccato_med **Samples: 104** **RAM: 6 MB** **Level 2**

Staccato, medium
1 velocity layer
2 Alternations

---

06 OV_staccato_hard **Samples: 104** **RAM: 6 MB** **Level 2**

Staccato, hard
1 velocity layer
2 Alternations

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07 OV_portato-short **Samples: 104** **RAM: 6 MB** **Level 2**

Portato, short
1 velocity layer
2 Alternations

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08 OV_portato-long_Vib	**Samples: 207**	**RAM: 12 MB**	**Level 2**

Portato, long, with vibrato
1 velocity layer
Release samples
AB switch: release hard/effect

09 OV_portato-long_noVib	**Samples: 208**	**RAM: 13 MB**	**Level 2**

Portato, long, without vibrato
1 velocity layer
Release samples
AB switch: release hard/effect

11 OV_sustain_Vib	**Samples: 208**	**RAM: 13 MB**	**Level 1**

Sustained, with vibrato
1 velocity layer
Release samples
AB switch: release hard/effect

12 OV_sustain_noVib	**Samples: 208**	**RAM: 13 MB**	**Level 1**

Sustained, without vibrato
1 velocity layer
Release samples
AB switch: release hard/effect

13 OV_sustain_sub-bass	**Range: C2–D3**	**Samples: 169**	**RAM: 10 MB**	**Level 1**

Sub-bass notes
1 velocity layer
Release samples

14 OV_sustain_wb-1	**Samples: 208**	**RAM: 13 MB**	**Level 2**

Sustained, with whammy bar, var. 1
1 velocity layer
Release samples
AB switch: release hard/effect

15 OV_sustain_wb-2	**Samples: 208**	**RAM: 13 MB**	**Level 2**

Sustained, with whammy bar, var. 2
1 velocity layer
Release samples
AB switch: release hard/effect

02 HARMONICS

Level 2: Artificial harmonics, 5th and octave
Natural harmonics

01 OV_harmonics-art_quint	**Range: G3–C6**	**Samples: 185**	**RAM: 11 MB**	**Level 2**

Artificial harmonics (fingered flageolet), 5th
The samples are mapped to the target note
1 velocity layer
Release samples
2 Alternations
AB switch: release hard/effect

02 OV_harmonics-art_octav	**Range: C4–F6**	**Samples: 186**	**RAM: 11 MB**	**Level 2**

Artificial harmonics (fingered flageolet), octave
The samples are mapped to the target note
1 velocity layer
Release samples
AB switch: release hard/effect

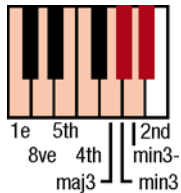|				
03 OV_harmonics_natural	**Range: C1–A#7**	**Samples: 108**	**RAM: 6 MB**	**Level 2**

Natural harmonics
2 velocity layers: 0–88 p; 89–127 f
Release samples

Mapping:
C1–A#1: low B string
C2–A2: low E string
C3–A3: A string
C4–A4: D string
C5–A5: G string
C6–A6: high B string
C7–A7: high E string

03 TRILLS + PHRASES

Level 2: Tremolo
Trills, minor 2nd to major 3rd
Grace noise, normal and with whammy bar, base note and octave

01 OV_tremolo	**Range: B1–D6**	**Samples: 208**	**RAM: 13 MB**	**Level 2**

Tremolo, sustained
1 velocity layer
Release samples
AB switch: release hard/effect

02 OV_trill_1	**Range: B1–C#6**	**Samples: 182**	**RAM: 11 MB**	**Level 2**

Trills, minor 2nd
1 velocity layer
Release samples
AB switch: release hard/effect

03 OV_trill_2	**Range: B1–C6**	**Samples: 181**	**RAM: 11 MB**	**Level 2**

Trills, major 2nd
1 velocity layer
Release samples
AB switch: release hard/effect

04 OV_trill_3	**Range: B1–C6**	**Samples: 181**	**RAM: 11 MB**	**Level 2**

Trills, minor 3rd
1 velocity layer
Release samples
AB switch: release hard/effect

05 OV_trill_4	**Range: B1–A#6**	**Samples: 180**	**RAM: 11 MB**	**Level 2**

Trills, major 3rd
1 velocity layer
Release samples
AB switch: release hard/effect

11 OV_grace-noise	**Range: B1–D6**	**Samples: 182**	**RAM: 11 MB**	**Level 2**

Grace noise, on the same note
1 velocity layer
Release samples
AB switch: release hard/effect

12 OV_grace-noise_octave	**Range: F4–G7**	**Samples: 193**	**RAM: 12 MB**	**Level 2**

Grace noise, to the octave
The samples are mapped to the target note
1 velocity layer
Release samples
AB switch: release hard/effect

13 OV_grace-noise_wb	**Range: B1–C#6**	**Samples: 182**	**RAM: 11 MB**	**Level 2**

Grace noise, on the same note, with whammy bar action
1 velocity layer
Release samples
AB switch: release hard/effect

14 OV_grace-noise_wb-octave	**Range: E4–C7**	**Samples: 185**	**RAM: 11 MB**	**Level 2**

Grace noise, to the octave, with whammy bar action
The samples are mapped to the target note
1 velocity layer
Release samples
AB switch: release hard/effect

04 POWER CHORDS

Level 1: Power chords, 4th and 5th
Power chords, major and minor

01 OV_power-chord_quart	**Range: B1–C5**	**Samples: 306**	**RAM: 19 MB**	**Level 1**

Power chords, 4th
1 velocity layer
Release samples
4 Alternations
AB switch: release hard/effect

02 OV_power-chord_quint	**Range: B1–G4**	**Samples: 306**	**RAM: 19 MB**	**Level 1**

Power chords, 5th
1 velocity layer
Release samples
4 Alternations
AB switch: release hard/effect

03 OV_power-chord_major	**Range: B1–F#3**	**Samples: 173**	**RAM: 10 MB**	**Level 1**

Power chords on 6 strings, major
1 velocity layer
Release samples
AB switch: release hard/effect

04 OV_power-chord_minor	**Range: B1–F#3**	**Samples: 173**	**RAM: 10 MB**	**Level 1**

Power chords on 6 strings, minor
1 velocity layer
Release samples
AB switch: release hard/effect

05 FX

Level 1: Scratches on E and B string

Level 2: Feedback effects, soft and hard
Bowed
Scratches with whammy bar
Scratch effects

01 OV_feed-fx_soft	**Range: B1–D6**	**Samples: 182**	**RAM: 11 MB**	**Level 2**

Feedback effect, soft
1 velocity layer
Release samples
AB switch: release hard/effect

02 OV_feed-fx_hard	**Range: B1–D6**	**Samples: 182**	**RAM: 11 MB**	**Level 2**

Feedback effect, hard
1 velocity layer
Release samples
AB switch: release hard/effect

03 OV_ebow	**Range: B1–D6**	**Samples: 182**	**RAM: 11 MB**	**Level 2**

Bowed tones
1 velocity layer
Release samples
AB switch: release hard/effect

11 OV scratch_E-string	**Range: B2–A#5**	**Samples: 35**	**RAM: 2 MB**	**Level 1**

Scratching on the low E string, with different lengths and sounds
The low notes have longer durations, high ones shorter
1 velocity layer

12 OV scratch_B-string	**Range: B1–G5**	**Samples: 43**	**RAM: 2 MB**	**Level 1**

Scratching on the low B string, with different lengths and sounds
The low notes have longer durations, high ones shorter
1 velocity layer

13 OV scratch_wb	**Range: B1–A#2**	**Samples: 11**	**RAM: 1 MB**	**Level 2**

Scratching with whammy bar action
1 velocity layer

14 OV scratch_fx	**Range: B2–F3**	**Samples: 5**	**RAM: 1 MB**	**Level 2**

Scratching with effect
 Tone range: B1–F2
1 velocity layer

10 PERF INTERVAL

Level 1: Legato normal and with vibrato
Hammer-ons and pull-offs

Level 2: Legato with whammy bar (2 variations)
Marcato, normal and with vibrato
Bends

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01 OV_perf-legato **Range: B1–C6** **Samples: 1258 RAM: 78 MB** **Level 1**

Legato, normal/glissando
Monophonic
1 velocity layer
Release samples
AB switch: legato/glissando

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02 OV_perf-legato_Vib **Range: B1–D6** **Samples: 1262 RAM: 78 MB** **Level 1**

Legato, with vibrato/glissando
Monophonic
1 velocity layer
Release samples
AB switch: legato/glissando

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03 OV_perf-legato_wb-1 **Range: B1–C6** **Samples: 1258 RAM: 78 MB** **Level 2**

Legato/glissando, with whammy bar, var. 1
Monophonic
1 velocity layer
Release samples
AB switch: legato/glissando

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04 OV_perf-legato_wb-2 **Range: B1–C6** **Samples: 1258 RAM: 78 MB** **Level 2**

Legato/glissando, with whammy bar, var. 2
Monophonic
1 velocity layer
Release samples
AB switch: legato/glissando

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05 OV_perf-hammer-pull **Range: B1–C#6** **Samples: 2263 RAM: 141 MB** **Level 1**

Legato, hammer-ons and pull-offs
Monophonic
1 velocity layer
Release samples
4 Alternations

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06 OV_perf-marcato **Range: B1–C#6** **Samples: 798 RAM: 49 MB** **Level 2**

Marcato, without vibrato
Monophonic
1 velocity layer
Release samples
AB switch: release hard/effect

07 OV_perf-marcato_Vib	**Range: B1–C#6**	**Samples: 797**	**RAM: 49 MB**	**Level 2**

Marcato, with vibrato
Monophonic
1 velocity layer
Release samples
AB switch: release hard/effect

08 OV_perf-bend	**Range: B1–C6**	**Samples: 305**	**RAM: 19 MB**	**Level 2**

Bends
Monophonic
1 velocity layer
Release samples
AB switch: release hard/effect

11 PERF REPETITION

Level 1: Staccato, normal and muted (2 variations each)
Power chords, 4th and 5th

Level 2: Staccato dynamics, normal (2 variations)
Power chords dynamics, 4th and 5th
Sub-bass repetitions

01 OV_perf-rep_v1	**Range: B1–C#6**	**Samples: 701**	**RAM: 43 MB**	**Level 1**

Staccato, var. 1 (slower)
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff

02 OV_perf-rep_v2	**Range: B1–C#6**	**Samples: 702**	**RAM: 43 MB**	**Level 1**

Staccato, var. 2 (faster)
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff

11 OV_perf-rep_v1-dyn	**Range: B1–D6**	**Samples: 468**	**RAM: 29 MB**	**Level 2**

Staccato dynamics, 9 repetitions, var. 1 (slower)
1 velocity layer
AB switch: crescendo/diminuendo

12 OV_perf-rep_v2-dyn	**Range: B1–D6**	**Samples: 468**	**RAM: 29 MB**	**Level 2**

Staccato dynamics, 9 repetitions, var. 2 (faster)

21 OV_perf-rep_mute_v1	**Range: B1–C#6**	**Samples: 234**	**RAM: 14 MB**	**Level 1**

Muted, var. 1 (slower)
1 velocity layer

22 OV_perf-rep_mute_v2	**Range: B1–C#6**	**Samples: 234**	**RAM: 14 MB**	**Level 1**

Muted, var. 2 (faster)
1 velocity layer

31 OV_perf-rep_pw-ch_quart	**Range: B1–C5**	**Samples: 285**	**RAM: 17 MB**	**Level 1**

Power chords, 4ths
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff

32 OV_perf-rep_pw-ch_quint	**Range: B1–C5**	**Samples: 285**	**RAM: 17 MB**	**Level 1**

Power chords, 5ths
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff

41 OV_perf-rep_pw-ch_quart-dyn	**Range: B1–C5**	**Samples: 190**	**RAM: 11 MB**	**Level 2**

Power chords, 4ths, dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

42 OV_perf-rep_pw-ch_quint-dyn	**Range: B1–C5**	**Samples: 190**	**RAM: 11 MB**	**Level 2**

Power chords, 5ths, dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

51 OV_perf-rep_sub-bass	**Range: B0–C2**	**Samples: 117**	**RAM: 7 MB**	**Level 2**

Sub-bass notes
1 velocity layer

12 FAST REPETITION

Level 2: Staccato, 140 to 160, 180, 200, and 220 BPM, normal and dynamics
Effects, 140 to 160, 180, and 200 BPM

01 OV_fast-rep_140 (150/160/180/200/220)	**Range: B1–D6**	**Samples: 234**	**RAM: 14 MB**	**Level 2**

Staccato, 9 repetitions at 140 to 160, 180, 200, and 220 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples
AB switch: release duration long/short

11 OV_fast-rep_140_dyn (150/160/180/200/220)

	Range: B1–C#6	**Samples: 104**	**RAM: 6 MB**	**Level 2**

Staccato dynamics, 9 repetitions at 140 to 160, 180, 200, and 220 BPM
1 velocity layer
Release samples
AB switch: crescendo/diminuendo

21 OV_fast-rep_140_fx (150/160/180/200)   **Range: C2–F5**   **Samples: 32**   **RAM: 2 MB**   **Level 2**

Effects, 9 repetitions at 140 to 160, 180, and 200 BPM
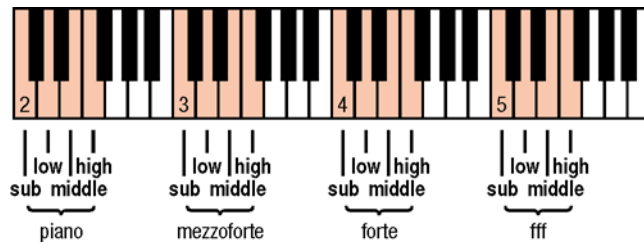1 velocity layer
Release samples

Mapping:
C – subbass; D – low; E – middle; F – high
C2–F2: piano
C3–F3: mezzoforte
C4–F4: forte
C5–F5: fff

13 SCALE RUNS

Level 2: Octave runs, legato, major and minor harmonic, C to B scale

Please note that the runs' last playable note is an octave below the highest mapped note for upward runs, and an octave above the lowest mapped note for downward runs.
For individual ranges, please see the appendix.

13 SCALE RUNS/Major

01 OV_run-leg_C-ma (through to B-ma)   **Samples: 46**   **RAM: 2 MB**   **Level 2**

Octave runs, legato, C to B major, 200 BPM
1 velocity layer
AB switch: up/down

13 SCALE RUNS/Minor

01 OV_run-leg_C-mi (through to B-mi)   **Samples: 46**   **RAM: 2 MB**   **Level 2**

Octave runs, legato, C to B minor (harmonic scale), 200 BPM
1 velocity layer
AB switch: up/down

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 OV Articulation Combi
Samples: 993   RAM: 62 MB   Level 1

Staccato short soft, medium, and hard
Sustained with and without vibrato, sub-bass sustains
Power chords 4ths, 5ths, major and minor
Scratches on E and B

Matrix switches: Horizontal: Keyswitches, C1–E1   Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato short soft	sustained, no vibrato	power chords, 4th	power chords, major	scratches, E string
V2	staccato short medium	sustained, vibrato	power chords, 5th	power chords, minor	scratches, B string
V3	staccato short hard	sustained, sub-bass	power chords, 5th	power chords, minor	scratches, B string

L1 OV Perf-Legato Speed
Samples: 3569   RAM: 223 MB   Level 1

Legato without and with vibrato
Hammer-ons, pull-offs
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones   Vertical: Modwheel, 2 zones

	legato	hammer-pull
V1	no vibrato	%
V2	vibrato	%

L1 OV Perf-Repetitions Combi
Samples: 2432   RAM: 152 MB   Level 1

Repetition performances:
Staccato normal, var. 1/2
Muted, var. 1/2
Powerchords 4ths and 5ths

Matrix switches: Horizontal: Keyswitches, C1–D1   Vertical: Modwheel, 2 zones

	C1	C#1	D1
V1	staccato var.1	muted var.1	powerchords 4ths
V2	staccato var. 2	muted var. 2	powerchords 5ths

Matrix - LEVEL 2

01 OV Perf-Universal   Samples: 5155 RAM: 322 MB   Level 2

Legato without and with vibrato
Legato with whammy bar, var. 1/2
Marcato without and with vibrato
Hammer-ons, pull-offs
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D#1   Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	legato no vib.	legato whammy var.1	marcato no vib.	hammer-pull
V2	legato vib.	legato whammy var.2	marcato vib.	hammer-pull

02 OV Articulation Combi   Samples: 1969 RAM: 123 MB   Level 2

Staccato short soft, medium, and hard
Staccato normal soft, medium, and hard
Sustained with and without vibrato, sustained with whammy bar var. 1 and 2
Trills, minor 2nd to major 3rd
Grace noises, 5th and octave, without and with whammy bar
Power chords 4ths, 5ths, major and minor
Scratches on E and B, with whammy bar, and effects
Feedback effects soft, hard, and bowed
Harmonics artificial 5th and octave, harmonics natural

Matrix switches: Horizontal: Keyswitches, C1–G#1   Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
V1	stacc. short soft	stacc. norm. soft	sustained, vibrato	trills, min.2nd	grace noise, norm.	powerchord, 4th	scratch, E	feed fx soft	harm.art. 5th
V2	stacc. short med.	stacc. norm. med.	sustained, no vibrato	trills, maj.2nd	grace noise, whammy	powerchord, 5th	scratch, B	feed fx hard	harm.art. octave
V3	stacc. short hard	stacc. norm. hard	sustained, whammy v.1	trills, min.3rd	grace noise, octave	powerchord, major	scratch, whammy	bowed	harm. natural
V3	stacc. short hard	stacc. norm. hard	sustained, whammy v.2	trills, maj.3rd	grace noise, oct.whammy	powerchord, minor	scratch, fx	bowed	harm. natural

03 OV Perf-Repetition Combi   Samples: 2545 RAM: 159 MB   Level 2

Repetition performances:
Staccato normal, var. 1/2
Muted, var. 1/2
Powerchords 4ths and 5ths
sub-bass notes

Matrix switches: Horizontal: Keyswitches, C1–D#1   Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato var.1	muted var.1	powerchords 4ths	sub-bass
V2	staccato var. 2	muted var. 2	powerchords 5ths	sub-bass

04 OV Fast Repetitions   **Samples: 1084 RAM: 67 MB**   **Level 2**

Fast repetitions:
Normal and dynamics, 140–160, 180, 200, and 220 BPM
 BPM
Effects, 140–160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–F1   Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1
normal	140	150	160	180	200	220
dynamics	%	%	%	%	%	%
effects	%	%	%	%	%	200

05 OV scale runs-legato - Major   **Samples: 268   RAM: 16 MB**   **Level 2**

Octave runs, legato, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

06 OV scale runs-legato - Minor   **Samples: 268   RAM: 16 MB**   **Level 2**

Octave runs, legato, C to B minor
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato min.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

Presets

OV VSL Preset Level 1   **Samples: 6849   RAM: 428 MB**   **Level 1**

L1 OV Perf-Legato Speed
L1 OV Articulation Combi
L1 OV Perf-Repetitions Combi
Preset keyswitches: C7–D7

OV VSL Preset Level 2   **Samples: 10897 RAM: 681 MB**   **Level 2**

01 OV Perf-Universal
02 OV Articulation Combi
03 OV Perf-Repetition Combi
04 OV Fast Repetitions
05 OV Scale runs-legato - Major
06 OV Scale runs-legato - Minor
Preset keyswitches: C7–F7

Appendix – Scale play ranges

Major

Scale	Range
01 OV_run-leg_C-ma	C2–D6
02 OV_run-leg_C#-ma	C#2–D#6
03 OV_run-leg_D-ma	C#2–D6
04 OV_run-leg_D#-ma	D2–D#6
05 OV_run-leg_E-ma	C#2–C#6
06 OV_run-leg_F-ma	D2–D6
07 OV_run-leg_F#-ma	C#2–C#6
08 OV_run-leg_G-ma	D2–D6
09 OV_run-leg_G#-ma	C#2–C#6
10 OV_run-leg_A-ma	D2–D6
11 OV_run-leg_A#-ma	D2–D6
12 OV_run-leg_B-ma	D#2–D#6

Minor

Scale	Range
01 OV_run-leg_C-mi	C2–D6
02 OV_run-leg_C#-mi	C#2–D#6
03 OV_run-leg_D-mi	C#2–D6
04 OV_run-leg_D#-mi	D2–D#6
05 OV_run-leg_E-mi	C2–C6
06 OV_run-leg_F-mi	C#2–C#6
07 OV_run-leg_F#-mi	C#2–C#6
08 OV_run-leg_G-mi	D2–D6
09 OV_run-leg_G#-mi	C#2–C#6
10 OV_run-leg_A-mi	D2–D6
11 OV_run-leg_A#-mi	C2–C#6
12 OV_run-leg_B-mi	C#2–D6